

Crescent City Connection Division

**Project Update on Act 402 of 1976
and**

**Presentation of Facility Maintenance
Projects with Evaluation of Toll Revenue**

Presented to:

Crescent City Connection Oversight Committee



October 21, 2010



Agenda

- A. Opening Remarks**
- B. Legislatively Mandated Completion of Four Projects**
- C. Completed Projects from List of Original 13 Projects**
- D. Status of Remaining Projects from Original 13 Projects**
- E. Facility Maintenance Projects – Current and Planned**
- F. Costs to Implement**
- G. Toll Revenue Evaluation**
- H. Results**



A. Opening Remarks

- **Introduction of CCC Oversight Committee Members**
- **Introduction of CCCD Staff**
- **Opening Remarks by Director of Toll Facilities**

B. Legislatively Mandated Completion of Four Projects

The legislature mandated that certain items be completed before any funding could be done on the 13 projects

- **Opening transit lanes for “HOV2” or “High Occupancy Vehicles 2” traffic on the Greater New Orleans Mississippi River Bridges.**
- **Providing an additional toll tag lane for cars entering from the Algiers area.**
- **Installing a video or photo monitoring system as defined in R.S. 47:820.5.1(C)(3).**
- **Repainting the upriver span of the Crescent City Connection bridge (CCC Bridge No. 1)**

All of these were completed



C. Completed Projects from List of Original 13 Projects

Completed Projects

- **Funding of the required land use plan of the bridges right of way.**
- **Completion of the bridge(s) project and its approaches.**
- **Lighting of the Eastbank and Westbank approaches to the bridge(s) project, including the Westbank Expressway approach through ground level and the planning and construction of turn lanes, turn-arounds, and intersections, lighting, maintenance, grass cutting, and landscaping of the Westbank Expressway and connecting arteries.**
- **The legally and structurally required control devices regulating traffic on the exclusive transit lanes construction in accordance with federal laws and guidelines. This has been completed.**
- **The General DeGaulle Drive, Terry Parkway and Shirley Drive landscaping and beautification project.**



D. Status of Remaining Projects from Original 13 Projects

- **Extension Of Peters Road South To An Intersection With Louisiana Highway 23**
- **Four-laning of Lapalco Blvd. from Victory Drive to Highway 90**
- **Improvements on Barataria Blvd. & Terry Parkway**
- **4th Street Extension to Burmaster/General DeGaulle**
- **Upgrading of Peters Road and its rail corridor and an additional toll tag lane for cars entering from Algiers area**
- **Down Ramp exit to Mardi Gras Blvd. to service Algiers area**
- **Repainting of the Crescent City Connection**

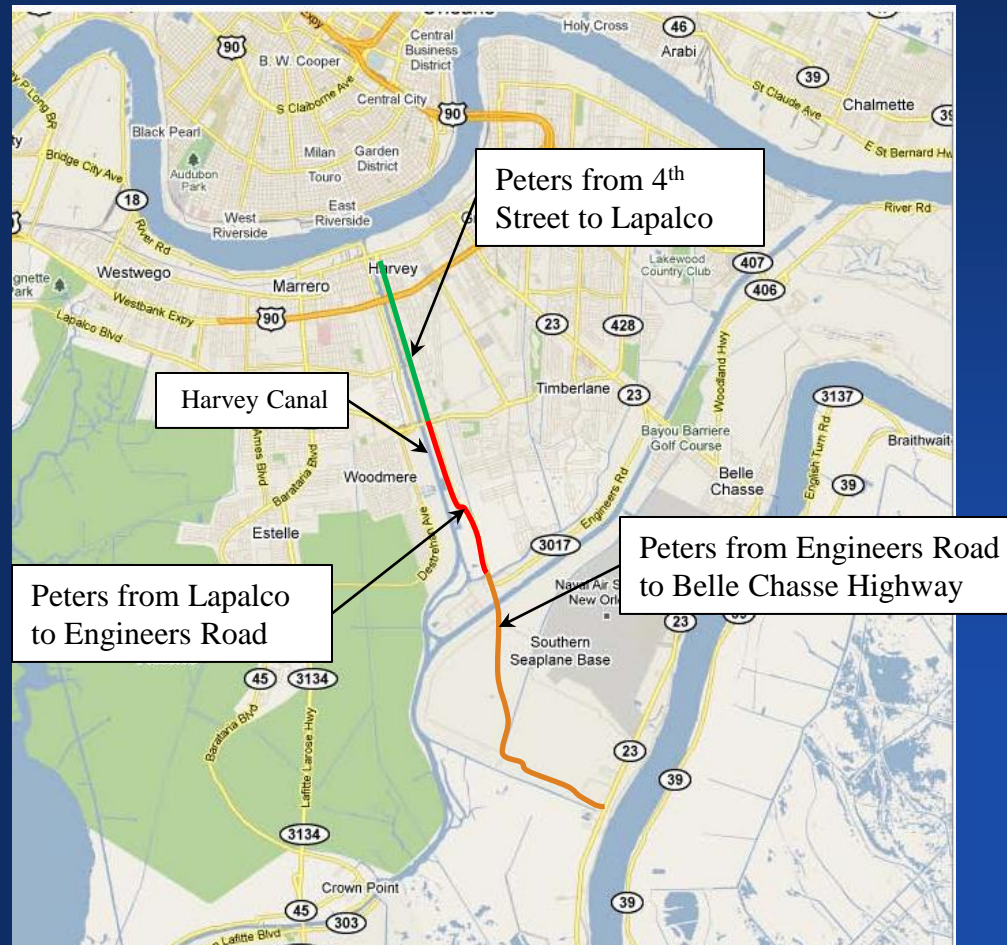
D. Status of Remaining Projects from Original 13 Projects

Extension of Peters Road South to an Intersection with Louisiana Highway 23

- **Feasibility study to connect with the existing rail line along La 23 in Plaquemines Parish completed in December 2002**
- **Upgrading Peters Road from two (2) to three (3) lanes from Fourth Street to Lapalco Blvd.**
 - **Let in July, 2005**
 - **Cost - \$3.8 million**
- **Section of Peters Road from Lapalco Blvd. to Engineers Road was also studied for widening by the RPC**
 - **On hold due to cost and need to stabilize the Murphy Canal embankment**
 - **Need information from consultant**
 - **Cost – To Be Determined**
- **Environmental Assessment (EA) for extension of Peters Road (LA 3017 from Engineers Road to Belle Chasse Highway (LA23) in Plaquemines Parish**
 - **Federal Highway Administration issued a Finding of No Significant Impact (FONSI) in December, 2004.**
 - **Cost - \$81.1 million**

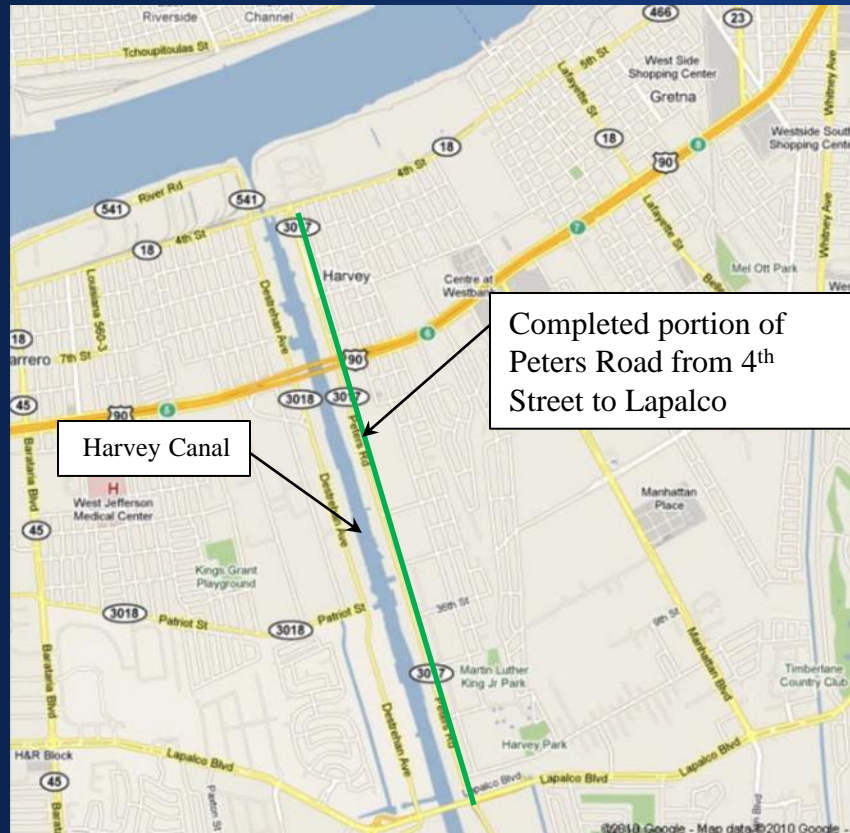
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Extension of Peters Road South to an Intersection with Louisiana Highway 23



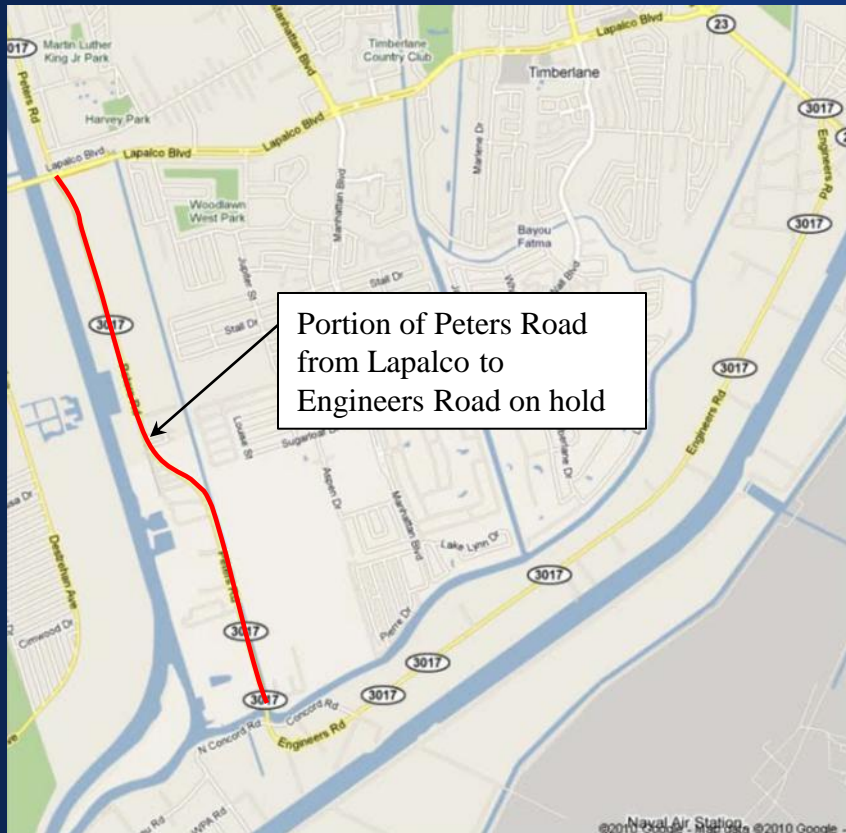
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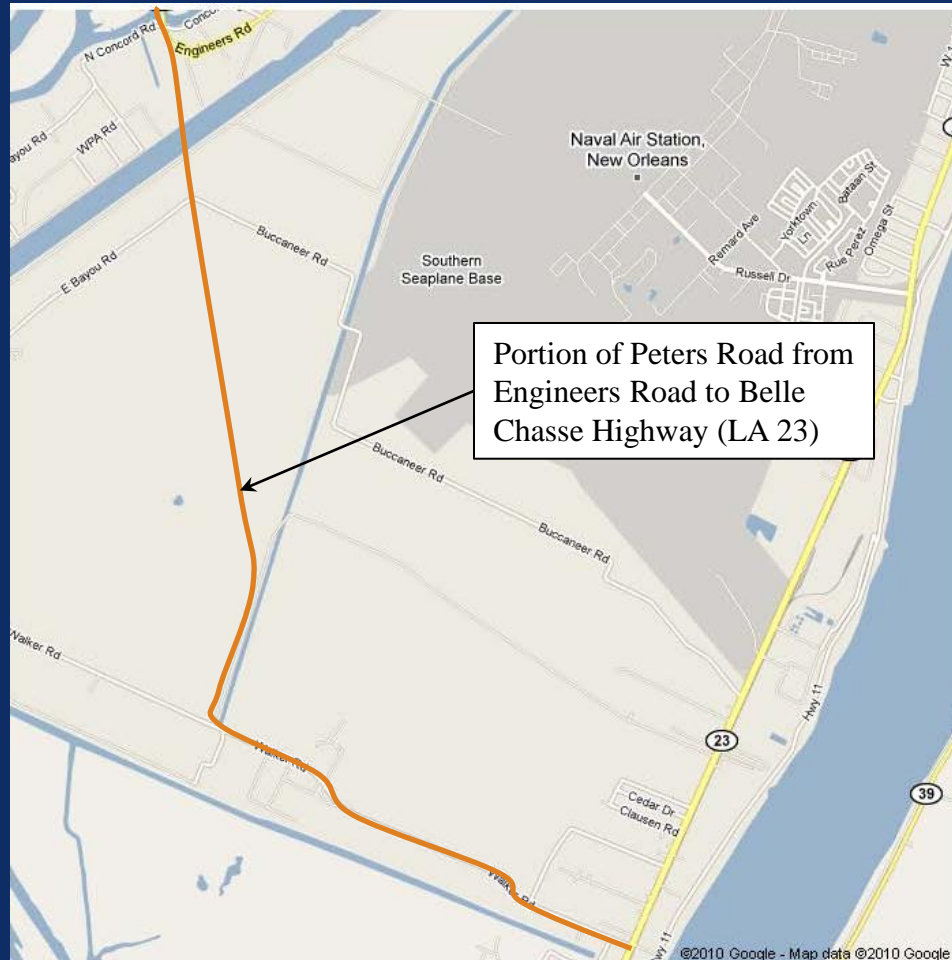
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D. Status of Remaining Projects from Original 13 Projects

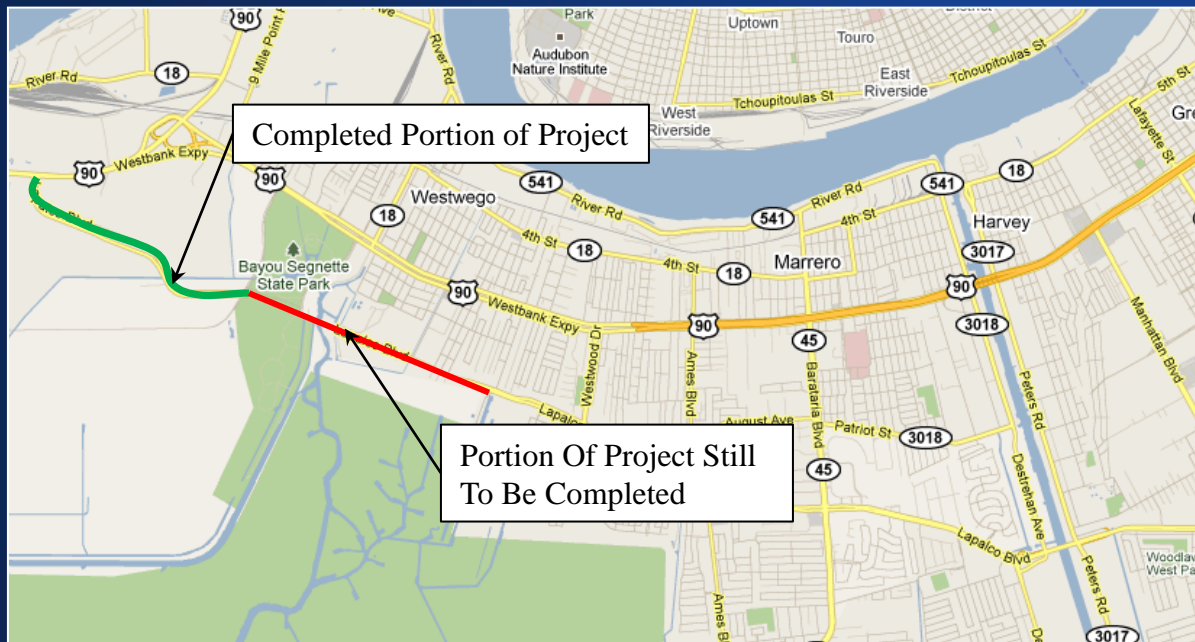
Extension of Peters Road South to an Intersection with Louisiana Highway 23



D. Status of Remaining Projects from Original 13 Projects

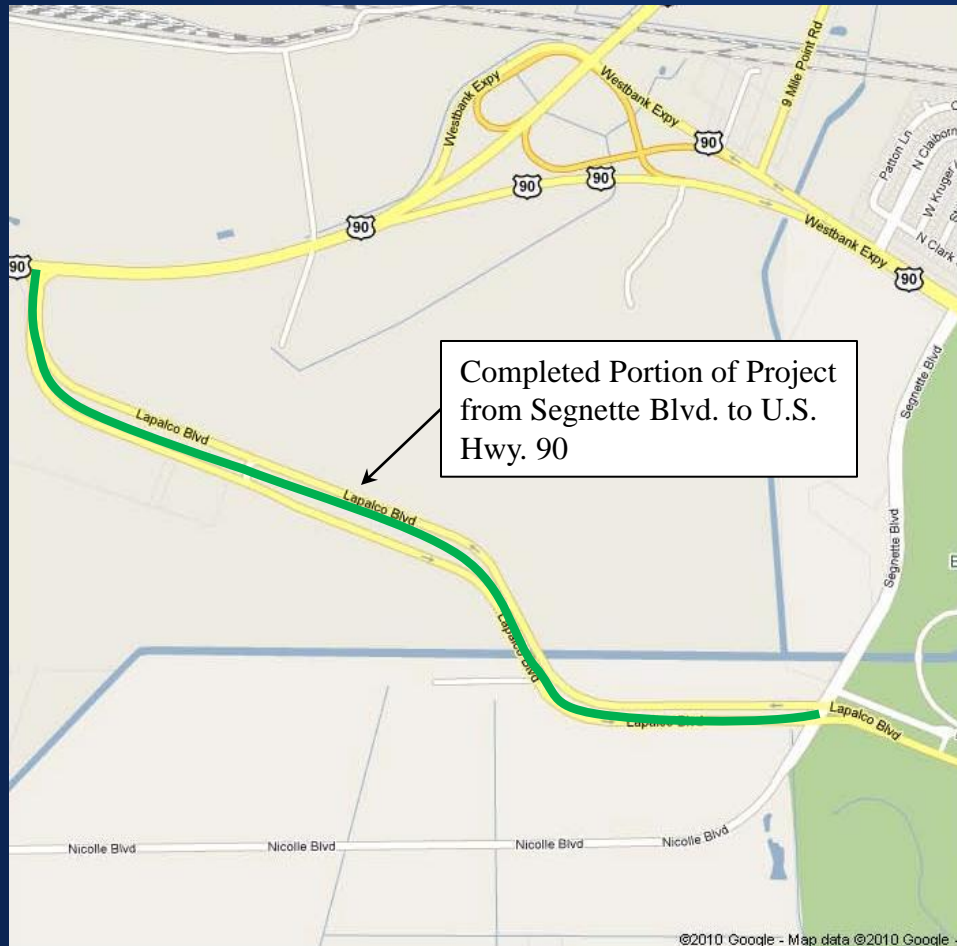
Four-laning of Lapalco Blvd. from Victory Drive to Highway 90

- Widening of Lapalco from two (2) to four (4) lanes in the section from Victory Drive to U.S. Hwy. 90.
 - Approximately half (1.9 miles) of the 4.1 mile corridor from Victory Drive to Hwy. 90 has been completed in the area from Segnette Blvd. to U.S. Hwy 90
 - Undertaken with assistance from Regional Planning Commission
 - Funded by RPC with Jefferson Parish matching funds
 - Total cost of \$7.8 million in October, 2004
 - Total Estimated Cost – To Be Determined



D. Status of Remaining Projects from Original 13 Projects

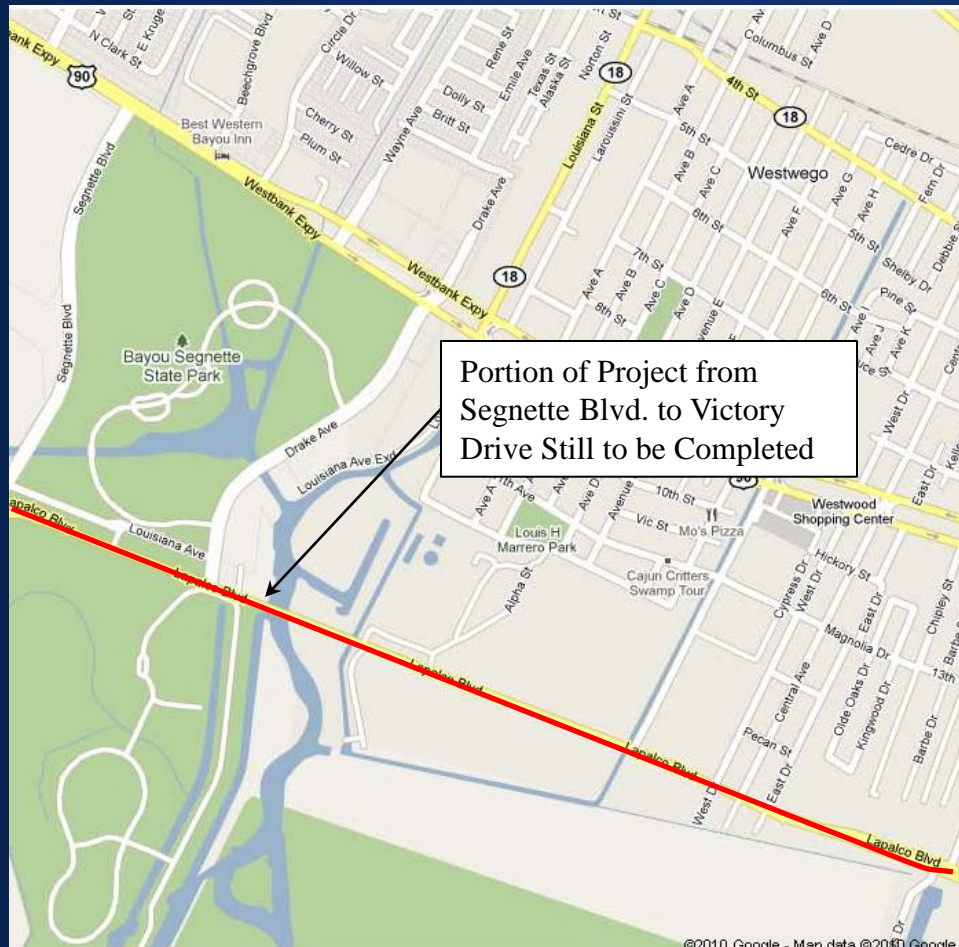
Four-laning of Lapalco Blvd. from Victory Drive to Highway 90



Lapalco Blvd. Looking West

D. Status of Remaining Projects from Original 13 Projects

Four-laning of Lapalco Blvd. from Victory Drive to Highway 90



D. Status of Remaining Projects from Original 13 Projects

Improvements on Barataria Boulevard and Terry Parkway

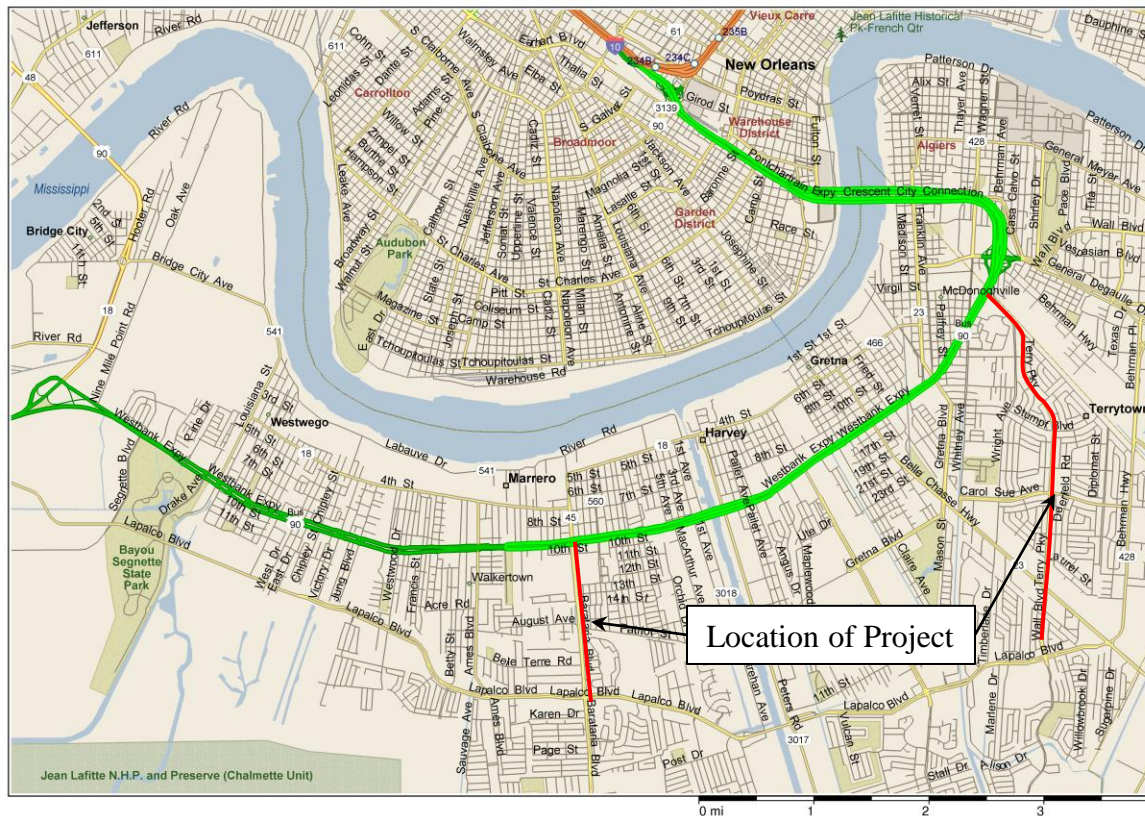
- **Substantial improvements were completed on Barataria Boulevard**
 - **Widening of LA. 45 from four (4) to six (6) lanes**
 - **Drainage improvements between U.S. Hwy. 90 and Lapalco Boulevard**
 - **Extensive drainage and signalization work at the Barataria and Patriot Street intersection**
 - **Project funded by RPC**
 - **CCCD funds moved to fund design of Peters Road ramps**
 - **Cost of \$6.2 million in June, 2006.**
- **Minor improvements implemented along Terry Parkway**
 - **Traffic signal upgrades**
 - **Minor landscaping at selected intersection**
 - **Cost of \$300,000.**

Projects have been completed.



D. Status of Remaining Projects from Original 13 Projects

Improvements on Barataria Boulevard and Terry Parkway



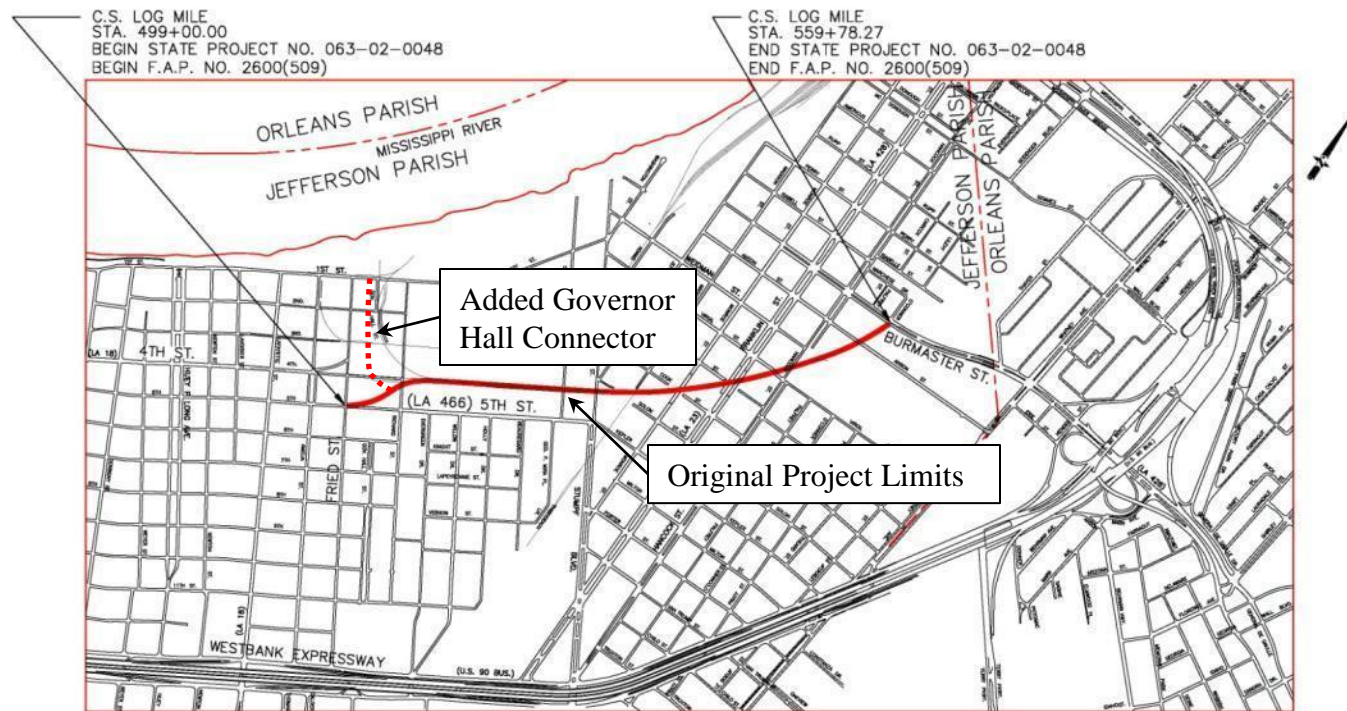
D. Status of Remaining Projects from Original 13 Projects

4th Street Extension to Burmaster/General DeGaulle

- **The upgrading of the General DeGaulle Drive-Burmaster Avenue approach to the bridge(s) by extending Louisiana Highway 18 from Huey P. Long Avenue in central Gretna along Fourth and/or Fifth Streets eastward to Burmaster Avenue**
 - **Project at 60% Final Plans**
 - **Revised to include Governor Hall Extension (Included in EA and locally funded)**
 - **Partially funded by CCCD, RPC, and City of Gretna**
 - **The 4th Street Extension is scheduled for late 2010 early 2011 letting**
 - **CCCD contributed \$3 million for environmental planning and engineering design services**
 - **Cost - \$9 million**

D. Status of Remaining Projects from Original 13 Projects

4th Street Extension to Burmaster/General DeGaulle



LAYOUT MAP

D. Status of Remaining Projects from Original 13 Projects

4th Street Extension to Burmaster/General DeGaulle



Burmaster St. looking East



From Hamilton Street looking Northeast



From 1st Street looking down Gov. Hall (South)

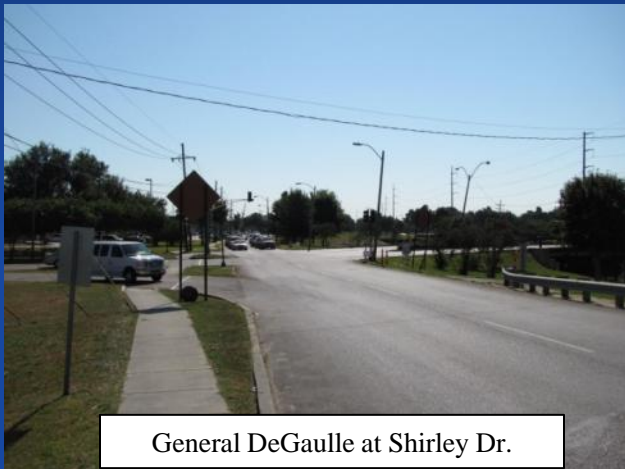
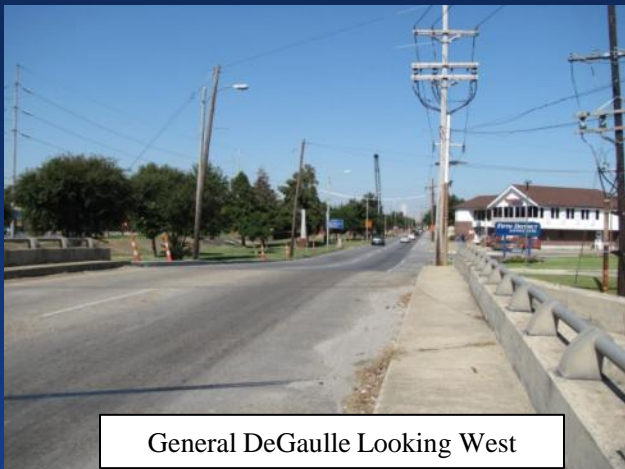
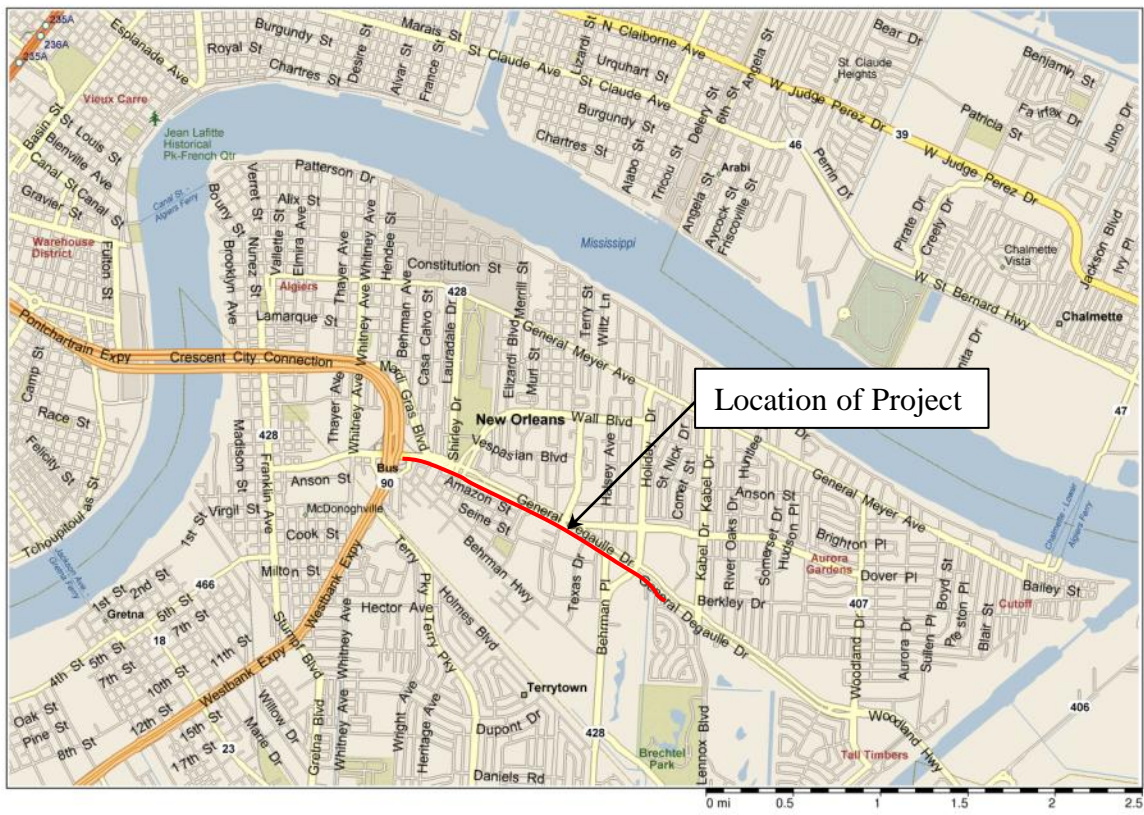
D. Status of Remaining Projects from Original 13 Projects

General DeGaulle Improvements

- **Eastbound 3rd lane extended to Behrman**
- **Westbound widened to 3 lanes at new U-turn east of Holiday Drive**
- **Westbound widened to 4 lanes at MacArthur Drive**
- **Westbound widened to 5 lanes east of Shirley Drive**
- **Westbound widened at approach to toll plaza**
 - **All widening locations to include necessary drainage improvements and additions**
 - **Also includes lighting improvements**
 - **Currently at 95% final**
 - **Original Estimated Cost - \$7 million**
- **General DeGaulle Drainage Improvements at Wall Blvd. and Behrman Place**
 - **Construction Cost - \$21 million**
- **Total Cost - \$28 million**

D. Status of Remaining Projects from Original 13 Projects

General DeGaulle Improvements



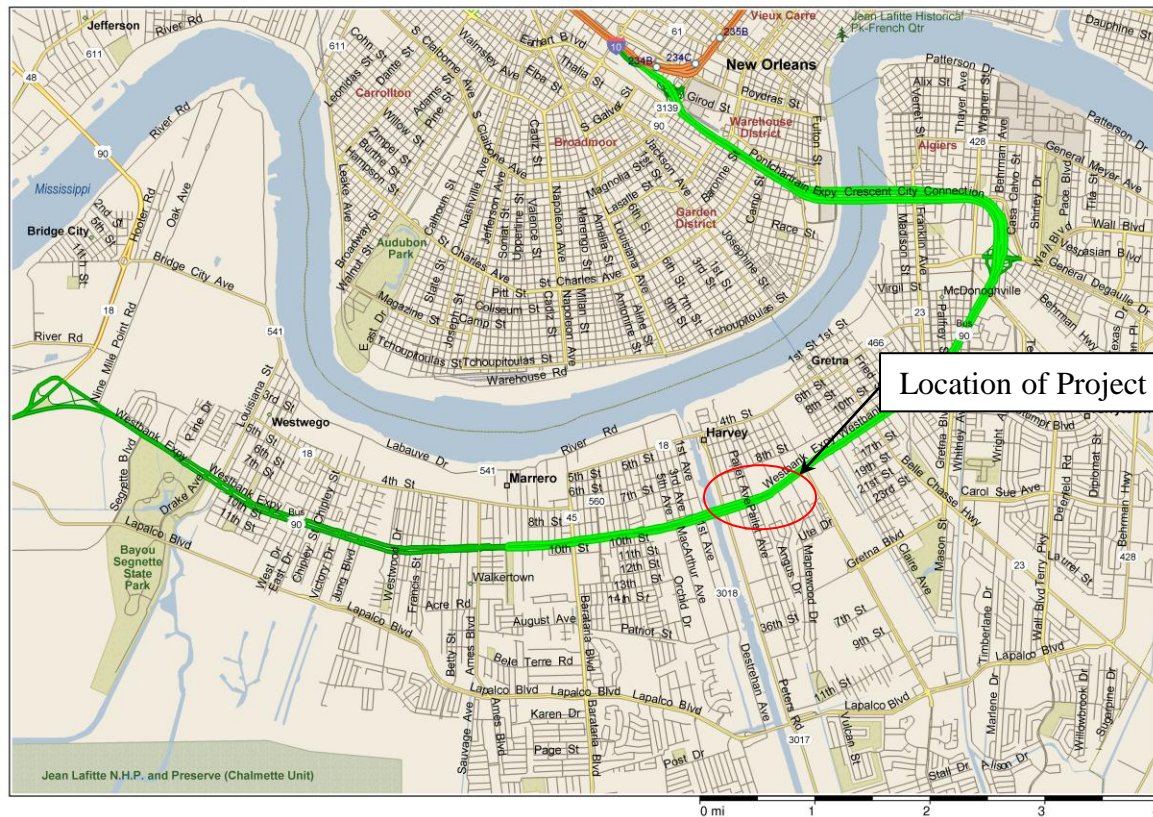
D. Status of Remaining Projects from Original 13 Projects

Peters Road On/Off Ramps

- **Separated into 2 Phases**
- **Phase 1: Westbound Lanes**
 - Provides a relocated Entrance Ramp from Manhattan Blvd.
 - Provides an Exit Ramp to Peters Rd./Harvey Canal Tunnel
 - Also includes at-grade roadway improvements
 - Currently at 60% Final Design
 - Projected 95% Final in January 2011 with ROW acquisition in April 2011
 - Estimated Cost - \$25 million
- **Phase 2: Eastbound Lanes**
 - Provides a relocated Exit Ramp for Manhattan Blvd.
 - Provides an Entrance Ramp from Peters Rd./Harvey Canal Tunnel
 - Also includes at-grade roadway improvements
 - Project to begin after completion of Phase I
 - Estimated Cost – To Be Determined
- **Includes additional toll tag lane for cars entering from Algiers area**
 - This task has been completed

D. Status of Remaining Projects from Original 13 Projects

Peters Road On/Off Ramps



D. Status of Remaining Projects from Original 13 Projects

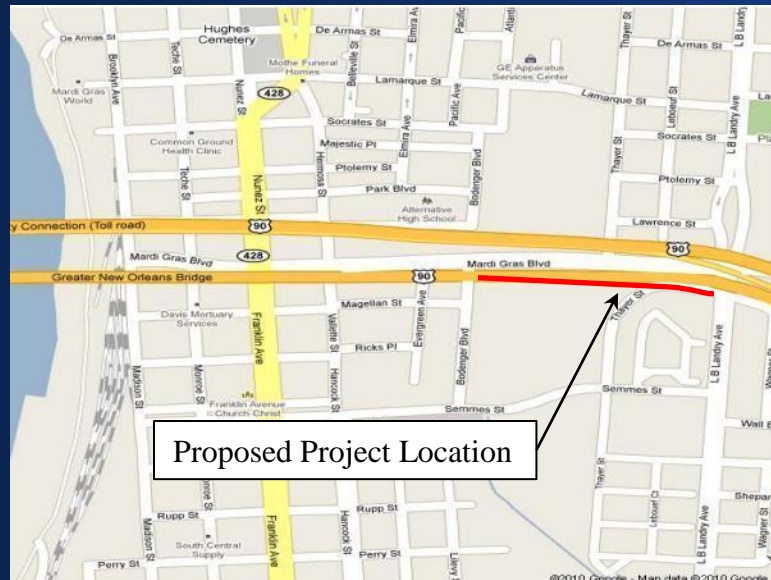
Peters Road On/Off Ramps



D. Status of Remaining Projects from Original 13 Projects

Down Ramp exit to Mardi Gras Blvd. to service Algiers Area

- A down ramp exit to Mardi Gras Boulevard to service to Algiers area
 - A number of community meetings were held to develop and assess conceptual design options.
 - While technically feasible, the project remains on hold.
 - High costs associated with land acquisition.
 - Difficulties meeting design standards coming off the downgrade of the bridge.



Mardi Gras Blvd. Looking West

D. Status of Remaining Projects from Original 13 Projects

Repainting of the Crescent City Connection

- CCC Bridge No. 1 was repainted
- CCC Bridge No. 2 needs to be repainted
 - Estimate to repaint Bridge No. 2 is \$20,000,000



- Approaches to Bridge No. 1 need to be repainted
 - Estimate to repair Algiers Approach is \$7,400,000
 - Estimate to repaint New Orleans Approach is \$5,600,000



Algiers Approach to CCC Bridge No. 1



New Orleans Approach to CCC Bridge No. 1

D. Status of Remaining Projects from Original 13 Projects

Estimated Cost to Implement = \$194,200,000*

***Does not include the costs for portions of the remaining projects yet to be developed, project and cost information not yet provided by other sources.**

E. Facility Maintenance Projects – Current and Planned

- **Projects Pending Construction**
- **Projects Planned or In Design**
 - **Ferry Landings**
 - **Buildings**
 - **Bridges**
 - **Toll Facilities**
 - **Electrical**
 - **Marine Vessels**

E. Facility Maintenance Projects – Current and Planned

Facility Maintenance Projects Pending Construction

Number of Projects = 8

Estimated Cost to Implement = \$2,460,000

Not including FEMA/grant funding



Riverbound Expressway
over St. Charles



CCC Bridge #2



Ramp PI at I-10 Eastbound



E. Facility Maintenance Projects – Current and Planned

1. Ferry Landings

Number of Projects = 18

Estimated Cost to Implement = \$8,900,000



Canal Street Ferry Facility
Escalator Rehabilitation



Fenders and Bumpers
Repairs/Replacements



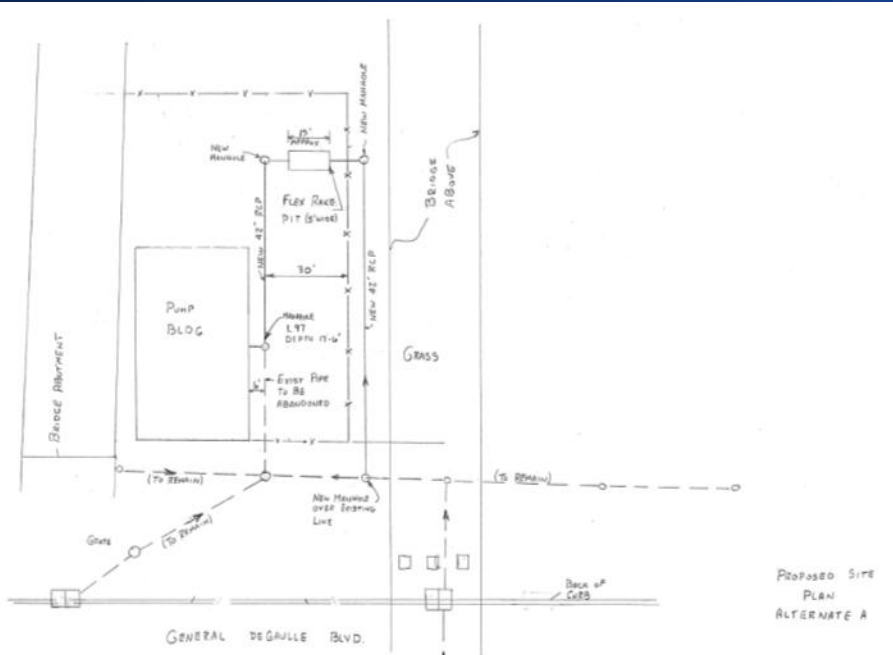
Algiers Pedestrian
Access Bridge

E. Facility Maintenance Projects – Current and Planned

2. Administration, Police/Maintenance Buildings, & Stormwater Pump Station

Number of Projects = 6

Estimated Cost to Implement = \$6,265,000



Stormwater Pump Station Proposed Alternate



Stormwater Pump Station



Manhole



E. Facility Maintenance Projects – Current and Planned

3. Bridges

Number of Projects = 13

Estimated Cost to Implement = \$51,730,000

(not including right-of-way needs)



New Orleans Approach
to CCC Bridge No. 1



CCC Bridge No. 2 –
Pier 2 Fender System



Curtain Wall Settlement

E. Facility Maintenance Projects – Current and Planned

4. Toll Facilities

Number of Projects = 4

Estimated Cost to Implement = \$865,000

5. Electrical

Number of Projects = 1

Estimated Cost to Implement = \$65,000

6. Marine Vessels

Number of Projects = 25

Estimated Cost to Implement = \$15,435,000



F. Costs to Implement

- **Remaining Projects from Original 13 Projects**
 - Estimated Cost to Implement = \$194,200,000
- **Facility Current Projects – Pending Construction**
 - Estimated Costs to Construct 8 projects = \$2,460,000
- **Facility Planned or In Design Projects**

○ Ferry Landings	<u>18</u>	<u>\$8,900,000</u>
○ Buildings	<u>6</u>	<u>\$6,265,000</u>
○ Bridges	<u>13</u>	<u>\$51,730,000</u>
○ Toll Facilities	<u>4</u>	<u>\$865,000</u>
○ Electrical	<u>1</u>	<u>\$65,000</u>
○ Marine Vessels	<u>25</u>	<u>\$15,435,000</u>
Subtotal	<u>67</u>	<u>\$83,260,000</u>

Costs will change as projects are developed

➤ **Total Estimated Project Costs = \$279,920,000**

G. Toll Revenue Evaluation

CCCD Toll History In Review

- Tolls begun January 1989
- Cash and Transponder transactions from beginning
- Mandated reductions in transponder transactions -
 - January to June 1989 - \$0.50/axle
 - July 1989 to September 1994 - \$0.35/axle
 - October 1994 to September 1999 - \$0.25/axle
 - October 1999 to present - \$0.20/axle
- Toll paid eastbound only

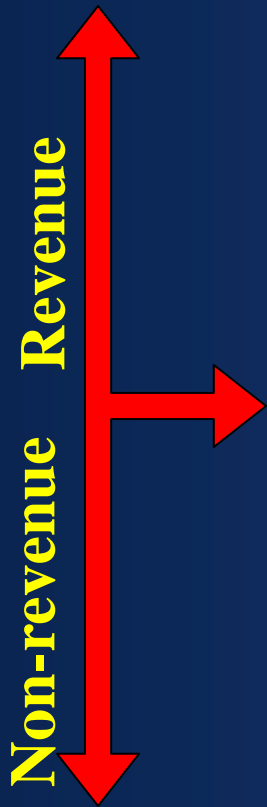


G. Toll Revenue Evaluation

Vehicle Classifications

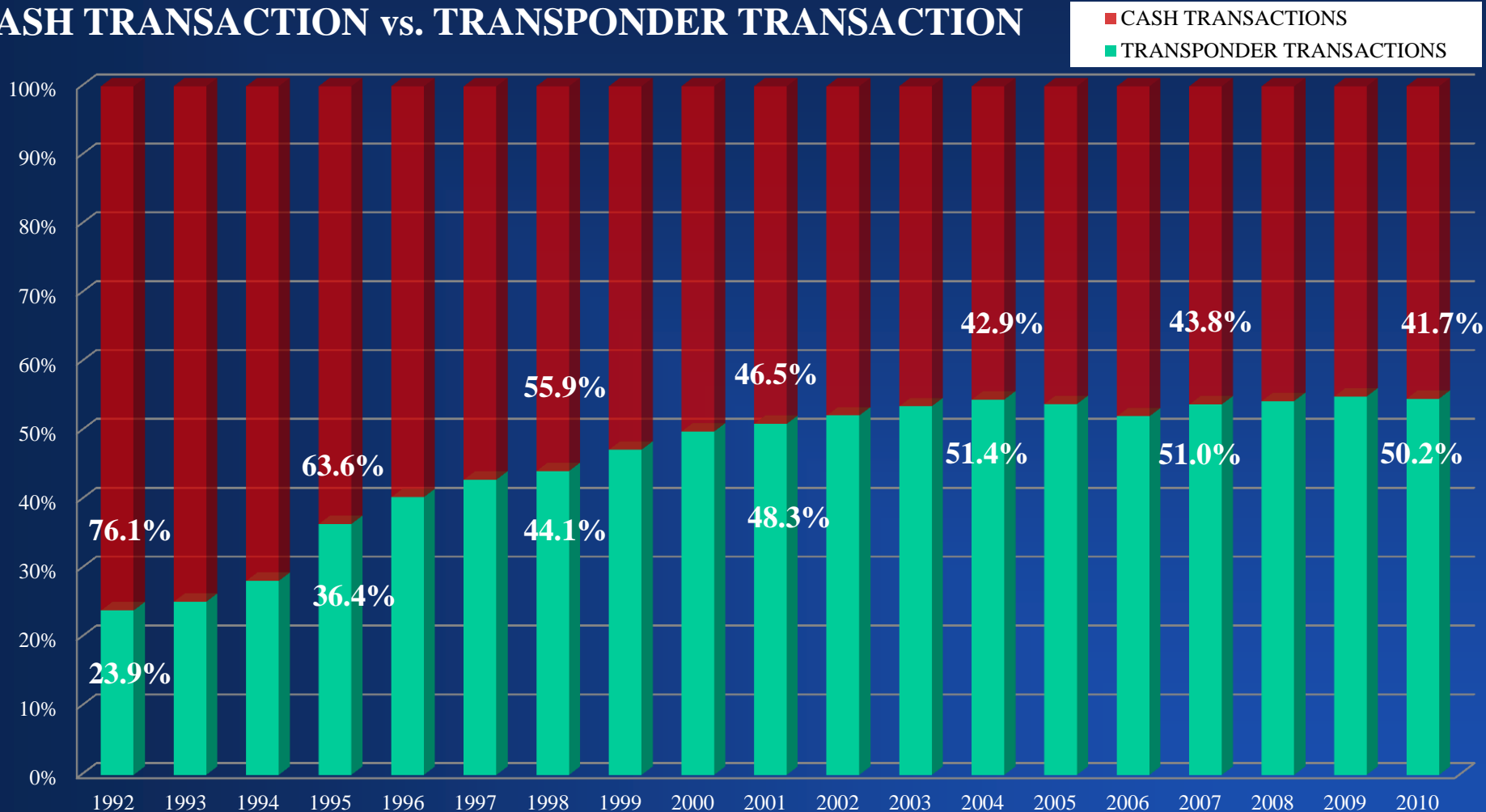
Cost

- | | | |
|-----|---|--------|
| 1. | Passenger car, pickup, van, taxi, motorcycle (2 axle) | \$1.00 |
| 2. | RV, van, pickup (3 axle) or Class 1 with trailer | \$1.50 |
| 3. | Single unit truck (2 axle) | \$1.00 |
| 4. | Single unit truck or tractor trailer combination (3 axle) | \$1.50 |
| 5. | Single unit truck or tractor trailer combination (4 axle) | \$2.00 |
| 6. | Tractor Trailer combination | \$2.50 |
| 7. | Commercial / private bus (2 or more axles) | \$1.00 |
| 8. | Mass transit or school bus | |
| 9. | Ambulance | |
| 10. | Extra axles | |
| 11. | Law enforcement | |
| 12. | Vehicle passes | |
| 13. | Students | |
| 14. | Firemen | |



H. Results – Comparison of Transaction Type

CASH TRANSACTION vs. TRANSPONDER TRANSACTION



Transponder usage increased to 50% of transaction type due to reduction in cost per axle and convenience

Data for revenue & non-revenue vehicles not available prior to 1992

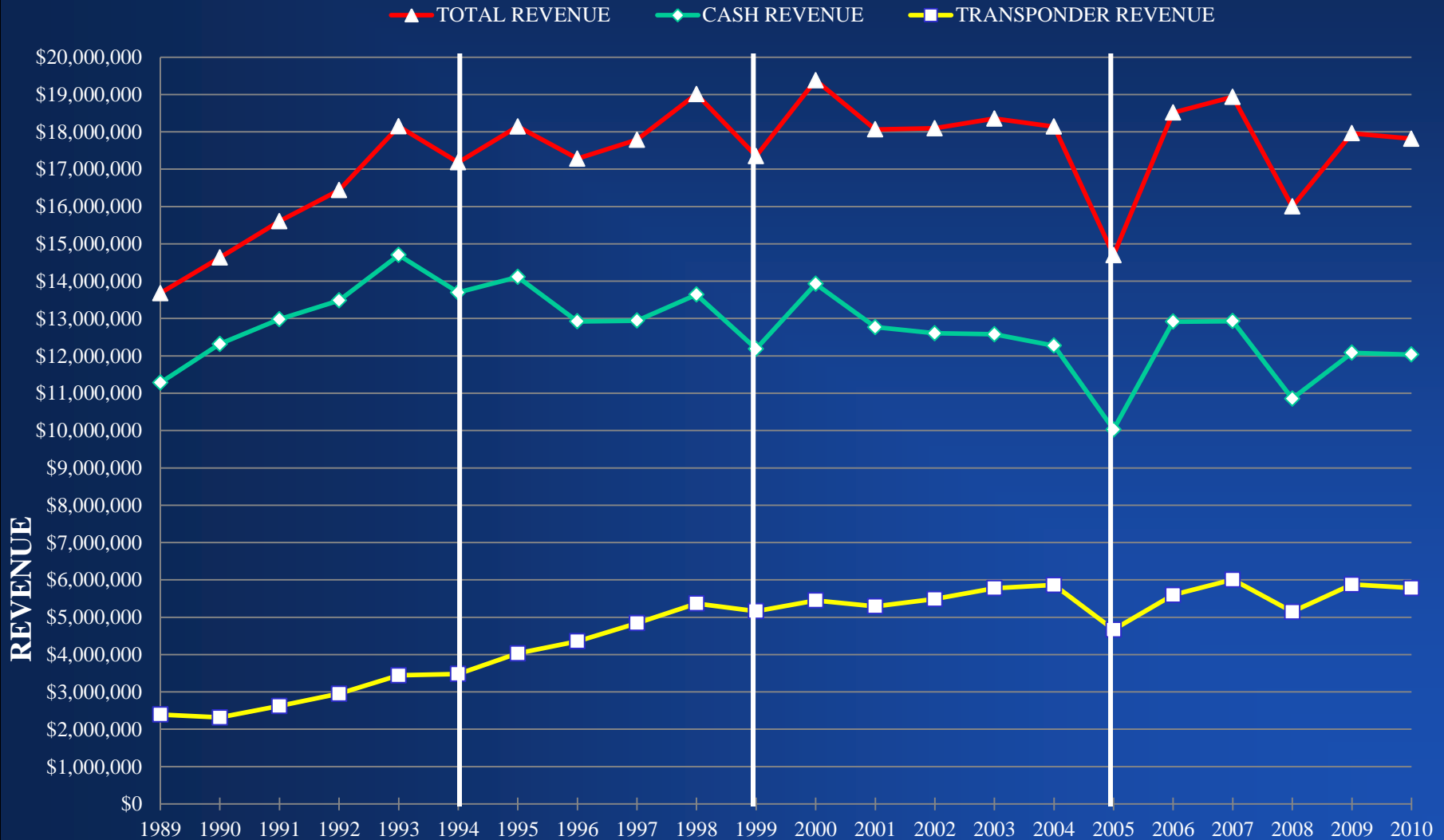
Violation data not available prior to 2000 and violations not included in data from 2000 to 2010

Non-revenue vehicles not included in data



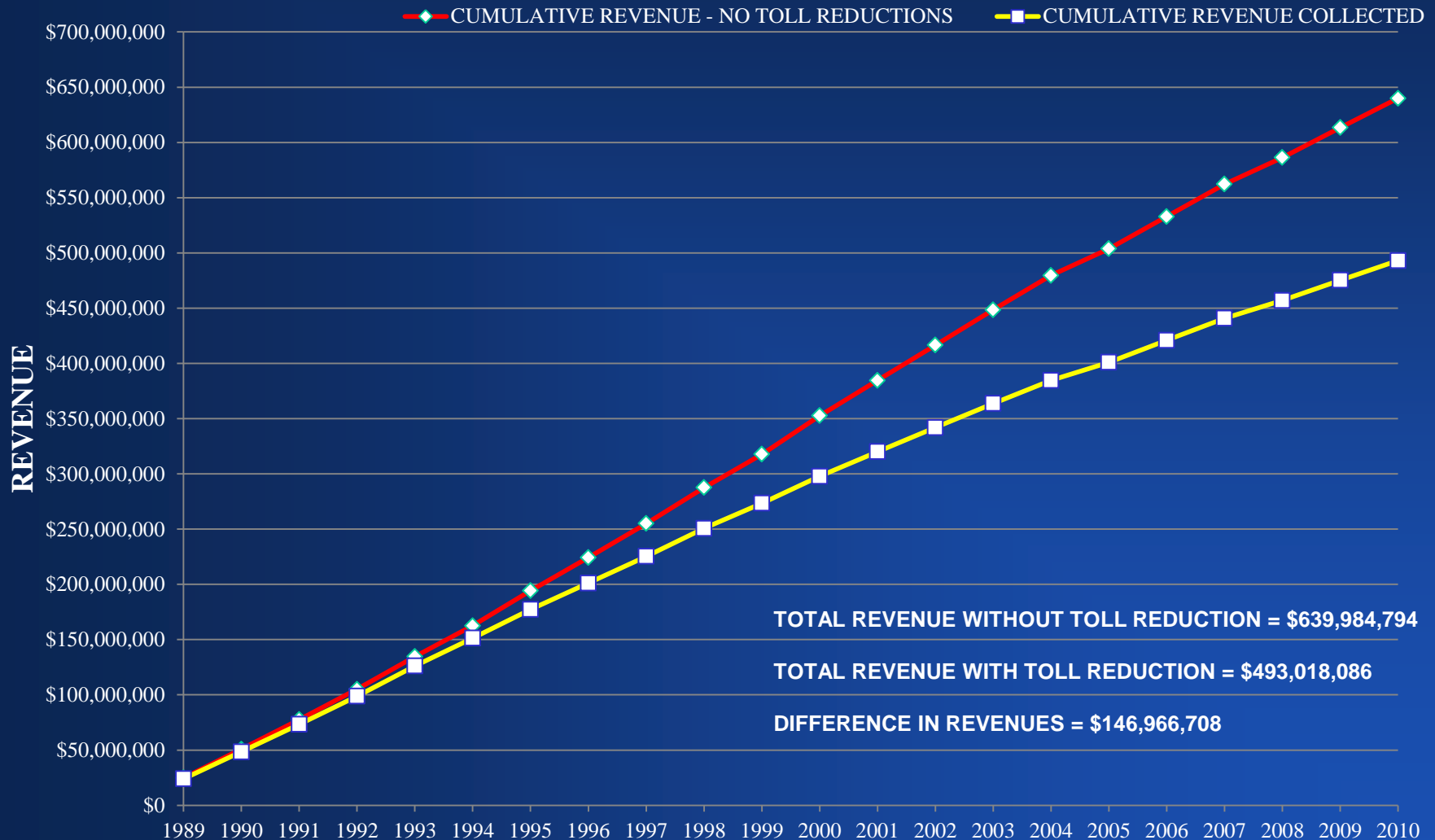
H. Results – Comparison of Revenue

Cash vs. Transponder Transaction Revenue Per Year (Non-inflated US Dollars)



H. Results – Comparison of Cumulative Revenue

Comparison of Cumulative Revenue in 2010 US Dollars



Adjusted raw dollar revenue data to 2010 dollar values using Dept. of Labor annual inflation rate 1989 to 2010

Questions

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